

Sustainability in Public Facilities: Analysis of Guidance Documents. — Sheila J. Bosch and Annie R. Pearce; 17(1), 9-18 (2003).

Adding Value to Constructed Facilities: Facilities Management Hospitality Case Study. — M. I. Okoroh, C. M. Jones, and B. D. Iloror; 17(1), 24-33 (2003).

Integrated Resources Management Structure for Facilities Provision and Management. — Danny Shiem-Shin Then; 17(1), 34-42 (2003).

Designing Facilities Management Needs into Infrastructure Projects: Case from a Major Hospital. — Francis T. Edum-Fotwe, C. Egbu, and A. G. F. Gibb; 17(1), 43-50 (2003).

Framework Model for Asset Maintenance Management. — Mohammad A. Hassanain, Thomas M. Froese, and Dana J. Vanier; 17(1), 51-64 (2003).

Failure investigations

Forensic Evaluation of Premature Failures of Texas Specific Pavement Study-1 Sections. — Dar-Hao Chen, John Bilyeu, Tom Scullion, Deng-Fong Lin, and Fujie Zhou; 17(2), 67-74 (2003).

Fatigue Performance of Modular Bridge Expansion Joints. — Roberto Crocetti and Bo Edlund; 17(4), 167-76 (2003).

Failures

Study of Recent Building Failures in the United States. — Kumalasari Wardhana and Fabian C. Hadipriono; 17(3), 151-8 (2003).

Fatigue

Fatigue Performance of Modular Bridge Expansion Joints. — Roberto Crocetti and Bo Edlund; 17(4), 167-76 (2003).

Finite element method

Effects of False Floors on Vibration Serviceability of Building Floors. I: Modal Properties. — P. Reynolds and A. Pavic; 17(2), 75-86 (2003).

Effects of False Floors on Vibration Serviceability of Building Floors. II: Response to Pedestrian Excitation. — P. Reynolds and A. Pavic; 17(2), 87-96 (2003).

Thermal-Structural Modeling and Temperature Control of Roller Compacted Concrete Gravity Dam. — Abdallah I. Husein Malkawi, Saad A. Mutasher, and Tony J. Qiu; 17(4), 177-87 (2003).

Flexibility

Integrated Development of Facilities Design and Services. — Jan Bröchner; 17(1), 19-23 (2003).

Floors

Effects of False Floors on Vibration Serviceability of Building Floors. I: Modal Properties. — P. Reynolds and A. Pavic; 17(2), 75-86 (2003).

Effects of False Floors on Vibration Serviceability of Building Floors. II: Response to Pedestrian Excitation. — P. Reynolds and A. Pavic; 17(2), 87-96 (2003).

Method for Forensic Analysis of Residential Floor-Elevation Data. — Kenneth D. Walsh and George P. Miguel; 17(3), 110-7 (2003).

Dynamic Measurements of In-Place Steel Floors to Assess Vibration Performance. — Linda M. Hanagan, Christopher H. Raebel, and Martin W. Trethewey; 17(3), 126-35 (2003).

Forensic engineering

Forensic Evaluation of Premature Failures of Texas Specific Pavement Study-1 Sections. — Dar-Hao Chen, John Bilyeu, Tom Scullion, Deng-Fong Lin, and Fujie Zhou; 17(2), 67-74 (2003).

Case History of Damage to a School Building Caused by Differentially Heaving Bedrock. — David C. Noe; 17(2), 97-105 (2003).

Method for Forensic Analysis of Residential Floor-Elevation Data. — Kenneth D. Walsh and George P. Miguel; 17(3), 110-7 (2003).

Geology

Case History of Damage to a School Building Caused by Differentially Heaving Bedrock. — David C. Noe; 17(2), 97-105 (2003).

Grid systems

Adding Value to Constructed Facilities: Facilities Management Hospitality Case Study. — M. I. Okoroh, C. M. Jones, and B. D. Iloror; 17(1), 24-33 (2003).

Heaving

Case History of Damage to a School Building Caused by Differentially Heaving Bedrock. — David C. Noe; 17(2), 97-105 (2003).

Highway maintenance

Effectiveness of Preventative Maintenance Treatments Using Fourteen SPS-3 Sites in Texas. — Dar-Hao Chen, Deng-Fong Lin, and Huan-Lin Luo; 17(3), 136-43 (2003).

Hospitals

Designing Facilities Management Needs into Infrastructure Projects: Case from a Major Hospital. — Francis T. Edum-Fotwe, C. Egbu, and A. G. F. Gibb; 17(1), 43-50 (2003).

Information management

Integrated Development of Facilities Design and Services. — Jan Bröchner; 17(1), 19-23 (2003).

Japan

Repair of New Long-Span Bridges Damaged by the 1995 Kobe Earthquake. — John C. Wilson; 17(4), 196-205 (2003).

Leveling

Method for Forensic Analysis of Residential Floor-Elevation Data. — Kenneth D. Walsh and George P. Miguel; 17(3), 110-7 (2003).

Maintenance

Framework Model for Asset Maintenance Management. — Mohammad A. Hassanain, Thomas M. Froese, and Dana J. Vanier; 17(1), 51-64 (2003).

Management

Linking Programming and Design with Facilities Management. — Eren Erdener; 17(1), 4-8 (2003).

Sustainability in Public Facilities: Analysis of Guidance Documents. — Sheila J. Bosch and Annie R. Pearce; 17(1), 9-18 (2003).

Adding Value to Constructed Facilities: Facilities Management Hospitality Case Study. — M. I. Okoroh, C. M. Jones, and B. D. Iloror; 17(1), 24-33 (2003).

Integrated Resources Management Structure for Facilities Provision and Management. — Danny Shiem-Shin Then; 17(1), 34-42 (2003).

Designing Facilities Management Needs into Infrastructure Projects: Case from a Major Hospital. — Francis T. Edum-Fotwe, C. Egbu, and A. G. F. Gibb; 17(1), 43-50 (2003).

Manufacturing facilities

Integrated Development of Facilities Design and Services. — Jan Bröchner; 17(1), 19-23 (2003).

Measurement

Dynamic Measurements of In-Place Steel Floors to Assess Vibration Performance. — Linda M. Hanagan, Christopher H. Raebel, and Martin W. Trethewey; 17(3), 126-35 (2003).

Modal analysis

Dynamic Measurements of In-Place Steel Floors to Assess Vibration Performance. — Linda M. Hanagan, Christopher H. Raebel, and Martin W. Trethewey; 17(3), 126-35 (2003).

Models

Integrated Resources Management Structure for Facilities Provision and Management. — Danny Shiem-Shin Then; 17(1), 34-42 (2003).

Framework Model for Asset Maintenance Management. — Mohammad A. Hassanain, Thomas M. Froese, and Dana J. Vanier; 17(1), 51-64 (2003).

Nondestructive tests

Condition Assessment of a Deteriorated Cement Works. — W. P. S. Dias and A. D. C. Jayandana; 17(4), 188-95 (2003).

Pavements

Forensic Evaluation of Premature Failures of Texas Specific Pavement Study-1 Sections. — Dar-Hao Chen, John Bilyeu, Tom Scullion, Deng-Fong Lin, and Fujie Zhou; 17(2), 67-74 (2003).

Effectiveness of Preventative Maintenance Treatments Using Fourteen SPS-3 Sites in Texas. — Dar-Hao Chen, Deng-Fong Lin, and Huan-Lin Luo; 17(3), 136-43 (2003).

Pools

Alkali-Silica Reaction—Possible Cause of Map Cracking in Gunite. — Moses Karakouzan, Mehmet N. Okuyan, and Nick Hudyma; 17(3), 118-25 (2003).

Rehabilitation

Repair of New Long-Span Bridges Damaged by the 1995 Kobe Earthquake. — John C. Wilson; 17(4), 196-205 (2003).

Corrosion Condition Evaluation at Muddy Creek Bridge. — Eung Ha Cho and Ram Chamrath; 17(4), 206-9 (2003).

Residential location

Method for Forensic Analysis of Residential Floor-Elevation Data. — Kenneth D. Walsh and George P. Miguel; 17(3), 110-7 (2003).

Schools

Sustainability in Public Facilities: Analysis of Guidance Documents. — Sheila J. Bosch and Annie R. Pearce; 17(1), 9-18 (2003).

Sealing

Effectiveness of Preventative Maintenance Treatments Using Fourteen SPS-3 Sites in Texas. — Dar-Hao Chen, Deng-Fong Lin, and Huan-Lin Luo; 17(3), 136-43 (2003).

Serviceability

Effects of False Floors on Vibration Serviceability of Building Floors. I: Modal Properties. — P. Reynolds and A. Pavic; 17(2), 75-86 (2003).

Effects of False Floors on Vibration Serviceability of Building Floors. II: Response to Pedestrian Excitation. — P. Reynolds and A. Pavic; 17(2), 87-96 (2003).

Dynamic Measurements of In-Place Steel Floors to

Assess Vibration Performance. — Linda M. Hanagan, Christopher H. Raebel, and Martin W. Trethewey; 17(3), 126-35 (2003).

Statistical analysis

Method for Forensic Analysis of Residential Floor-Elevation Data. — Kenneth D. Walsh and George P. Miguel; 17(3), 110-7 (2003).

Steel

Dynamic Measurements of In-Place Steel Floors to Assess Vibration Performance. — Linda M. Hanagan, Christopher H. Raebel, and Martin W. Trethewey; 17(3), 126-35 (2003).

Stiffness

Forensic Evaluation of Premature Failures of Texas Specific Pavement Study-1 Sections. — Dar-Hao Chen, John Bilyeu, Tom Scullion, Deng-Fong Lin, and Fujie Zhou; 17(2), 67-74 (2003).

Structural settlement

Case History of Damage to a School Building Caused by Differentially Heaving Bedrock. — David C. Noe; 17(2), 97-105 (2003).

Temperature effects

Thermal-Structural Modeling and Temperature Control of Roller Compacted Concrete Gravity Dam. — Abdallah I. Husein Malkawi, Saad A. Mutasher, and Tony J. Qiu; 17(4), 177-87 (2003).

Texas

Forensic Evaluation of Premature Failures of Texas Specific Pavement Study-1 Sections. — Dar-Hao Chen, John Bilyeu, Tom Scullion, Deng-Fong Lin, and Fujie Zhou; 17(2), 67-74 (2003).
Effectiveness of Preventative Maintenance Treatments Using Fourteen SPS-3 Sites in Texas. — Dar-Hao Chen, Deng-Fong Lin, and Huan-Lin Luo; 17(3), 136-43 (2003).

Thermal stresses

Thermal-Structural Modeling and Temperature Control of Roller Compacted Concrete Gravity Dam. — Abdallah I. Husein Malkawi, Saad A. Mutasher, and Tony J. Qiu; 17(4), 177-87 (2003).

United States

Analysis of Recent Bridge Failures in the United States. — Kumalasari Wardhana and Fabian C. Hadipriono; 17(3), 144-50 (2003).

Study of Recent Building Failures in the United States. — Kumalasari Wardhana and Fabian C. Hadipriono; 17(3), 151-8 (2003).

Vibration

Effects of False Floors on Vibration Serviceability of Building Floors. I: Modal Properties. — P. Reynolds and A. Pavic; 17(2), 75-86 (2003).
Effects of False Floors on Vibration Serviceability of Building Floors. II: Response to Pedestrian Excitation. — P. Reynolds and A. Pavic; 17(2), 87-96 (2003).
Dynamic Measurements of In-Place Steel Floors to Assess Vibration Performance. — Linda M. Hanagan, Christopher H. Raebel, and Martin W. Trethewey; 17(3), 126-35 (2003).

West Virginia

Corrosion Condition Evaluation at Muddy Creek Bridge. — Eung Ha Cho and Ram Chamrath; 17(4), 206-9 (2003).

Author Index

Beasley, Kimball J.

Failure of Exposed Concrete Caused by Corrosion of Embedded Steel. —Kimball J. Beasley; 17(3), 107-8 (2003).

Bilyeu, John

Forensic Evaluation of Premature Failures of Texas Specific Pavement Study-1 Sections. —Dar-Hao Chen, John Bilyeu, Tom Scullion, Deng-Fong Lin, and Fujie Zhou; 17(2), 67-74 (2003).

Bosch, Sheila J.

Sustainability in Public Facilities: Analysis of Guidance Documents. —Sheila J. Bosch and Annie R. Pearce; 17(1), 9-18 (2003).

Bröchner, Jan

Integrated Development of Facilities Design and Services. —Jan Bröchner; 17(1), 19-23 (2003).

Carper, Kenneth L.

Editor's Note. —Kenneth L. Carper; 17(1), 1 (2003).

Editor's Note. —Kenneth L. Carper; 17(2), 65 (2003).

Editor's Note. —Kenneth L. Carper; 17(3), 109 (2003).

Editor's Note. —Kenneth L. Carper; 17(4), 159-62 (2003).

Chamarthy, Ram

Corrosion Condition Evaluation at Muddy Creek Bridge. —Eung Ha Cho and Ram Chamarthy; 17(4), 206-9 (2003).

Chen, Dar-Hao

Forensic Evaluation of Premature Failures of Texas Specific Pavement Study-1 Sections. —Dar-Hao Chen, John Bilyeu, Tom Scullion, Deng-Fong Lin, and Fujie Zhou; 17(2), 67-74 (2003).

Effectiveness of Preventative Maintenance Treatments Using Fourteen SPS-3 Sites in Texas. —Dar-Hao Chen, Deng-Fong Lin, and Huan-Lin Luo; 17(3), 136-43 (2003).

Cho, Eung Ha

Corrosion Condition Evaluation at Muddy Creek Bridge. —Eung Ha Cho and Ram Chamarthy; 17(4), 206-9 (2003).

Crocetti, Roberto

Fatigue Performance of Modular Bridge Expansion Joints. —Roberto Crocetti and Bo Edlund; 17(4), 167-76 (2003).

Dias, W. P. S.

Condition Assessment of a Deteriorated Cement Works. —W. P. S. Dias and A. D. C. Jayanandana; 17(4), 188-95 (2003).

Edlund, Bo

Fatigue Performance of Modular Bridge Expansion Joints. —Roberto Crocetti and Bo Edlund; 17(4), 167-76 (2003).

Edum-Fotwe, Francis T.

Designing Facilities Management Needs into Infrastructure Projects: Case from a Major Hospital. —Francis T. Edum-Fotwe, C. Egbu, and A. G. F. Gibb; 17(1), 43-50 (2003).

Egbu, C.

Designing Facilities Management Needs into Infrastructure Projects: Case from a Major Hospital. —Francis T. Edum-Fotwe, C. Egbu, and A. G. F. Gibb; 17(1), 43-50 (2003).

Erdener, Eren

Linking Programming and Design with Facilities Management. —Eren Erdener; 17(1), 4-8 (2003).

Froese, Thomas M.

Framework Model for Asset Maintenance Management. —Mohammad A. Hassanain, Thomas M. Froese, and Dana J. Vanier; 17(1), 51-64 (2003).

Gibb, A. G. F.

Designing Facilities Management Needs into Infrastructure Projects: Case from a Major Hospital. —Francis T. Edum-Fotwe, C. Egbu, and A. G. F. Gibb; 17(1), 43-50 (2003).

Hadipriono, Fabian C.

Analysis of Recent Bridge Failures in the United States. —Kumalasari Wardhana and Fabian C. Hadipriono; 17(3), 144-50 (2003).

Study of Recent Building Failures in the United States. —Kumalasari Wardhana and Fabian C. Hadipriono; 17(3), 151-8 (2003).

Hanagan, Linda M.

Dynamic Measurements of In-Place Steel Floors to Assess Vibration Performance. —Linda M. Hanagan, Christopher H. Raebel, and Martin W. Trethewey; 17(3), 126-35 (2003).

Hassanain, Mohammad A.

Framework Model for Asset Maintenance Management. —Mohammad A. Hassanain, Thomas M. Froese, and Dana J. Vanier; 17(1), 51-64 (2003).

Hudyma, Nick

Alkali-Silica Reaction—Possible Cause of Map Cracking in Gunite. —Moses Karakouzian, Mehmet N. Okuyan, and Nick Hudyma; 17(3), 118-25 (2003).

Husein Malkawi, Abdallah I.

Thermal-Structural Modeling and Temperature Control of Roller Compacted Concrete Gravity Dam. —Abdallah I. Husein Malkawi, Saad A. Mutasher, and Tony J. Qiu; 17(4), 177-87 (2003).

Ilozor, B. D.

Adding Value to Constructed Facilities: Facilities Management Hospitality Case Study. —M. I. Okoroh, C. M. Jones, and B. D. Ilozor; 17(1), 24-33 (2003).

Ilozor, Benedict Dozie

Exploring Facilities Management. —Benedict Dozie Ilozor; 17(1), 2-3 (2003).

Jayanandana, A. D. C.

Condition Assessment of a Deteriorated Cement Works. —W. P. S. Dias and A. D. C. Jayanandana; 17(4), 188-95 (2003).

Jones, C. M.

Adding Value to Constructed Facilities: Facilities Management Hospitality Case Study. —M. I. Okoroh, C. M. Jones, and B. D. Ilozor; 17(1), 24-33 (2003).

Karakouzian, Moses

Alkali-Silica Reaction—Possible Cause of Map Cracking in Gunite. —Moses Karakouzian, Mehmet N. Okuyan, and Nick Hudyma; 17(3), 118-25 (2003).

Lin, Deng-Fong

Forensic Evaluation of Premature Failures of Texas Specific Pavement Study-1 Sections. —Dar-Hao Chen, John Bilyeu, Tom Scullion, Deng-Fong Lin, and Fujie Zhou; 17(2), 67-74 (2003).
Effectiveness of Preventative Maintenance Treatments Using Fourteen SPS-3 Sites in Texas. —Dar-Hao Chen, Deng-Fong Lin, and Huan-Lin Luo; 17(3), 136-43 (2003).

Luo, Huan-Lin

Effectiveness of Preventative Maintenance Treatments Using Fourteen SPS-3 Sites in Texas. —Dar-Hao Chen, Deng-Fong Lin, and Huan-Lin Luo; 17(3), 136-43 (2003).

Mailvaganam, Noel P.

Axioms For Building and Repairing Durable Concrete Structures. —Noel P. Mailvaganam and A. Wiseman; 17(4), 163-6 (2003).

McCue, James D.

Structural Defect Discovered During Roof Replacement. —James D. McCue and David H. Nicastro; 17(2), 66 (2003).

Miguel, George P.

Method for Forensic Analysis of Residential Floor-Elevation Data. —Kenneth D. Walsh and George P. Miguel; 17(3), 110-7 (2003).

Mutasher, Saad A.

Thermal-Structural Modeling and Temperature Control of Roller Compacted Concrete Gravity Dam. —Abdallah I. Husein Malkawi, Saad A. Mutasher, and Tony J. Qiu; 17(4), 177-87 (2003).

Nicastro, David H.

Structural Defect Discovered During Roof Replacement. —James D. McCue and David H. Nicastro; 17(2), 66 (2003).

Noe, David C.

Case History of Damage to a School Building Caused by Differentially Heaving Bedrock. —David C. Noe; 17(2), 97-105 (2003).

Okoroh, M. I.

Adding Value to Constructed Facilities: Facilities Management Hospitality Case Study. — M. I. Okoroh, C. M. Jones, and B. D. Ilozor; 17(1), 24-33 (2003).

Okuyan, Mehmet N.

Alkali-Silica Reaction—Possible Cause of Map Cracking in Gunite. — Moses Karakouzian, Mehmet N. Okuyan, and Nick Hudyma; 17(3), 118-25 (2003).

Pavic, A.

Effects of False Floors on Vibration Serviceability of Building Floors. I: Modal Properties. — P. Reynolds and A. Pavic; 17(2), 75-86 (2003).

Effects of False Floors on Vibration Serviceability of Building Floors. II: Response to Pedestrian Excitation. — P. Reynolds and A. Pavic; 17(2), 87-96 (2003).

Pearce, Annie R.

Sustainability in Public Facilities: Analysis of Guidance Documents. — Sheila J. Bosch and Annie R. Pearce; 17(1), 9-18 (2003).

Qiu, Tony J.

Thermal-Structural Modeling and Temperature Control of Roller Compacted Concrete Gravity Dam. — Abdallah I. Husein Malkawi, Saad A. Mutasher, and Tony J. Qiu; 17(4), 177-87 (2003).

Raebel, Christopher H.

Dynamic Measurements of In-Place Steel Floors to Assess Vibration Performance. — Linda M. Hanagan, Christopher H. Raebel, and Martin W. Trethewey; 17(3), 126-35 (2003).

Reynolds, P.

Effects of False Floors on Vibration Serviceability of Building Floors. I: Modal Properties. — P. Reynolds and A. Pavic; 17(2), 75-86 (2003).

Effects of False Floors on Vibration Serviceability of Building Floors. II: Response to Pedestrian Excitation. — P. Reynolds and A. Pavic; 17(2), 87-96 (2003).

Scullion, Tom

Forensic Evaluation of Premature Failures of Texas Specific Pavement Study-1 Sections. — Dar-Hao Chen, John Bilyeu, Tom Scullion, Deng-Fong Lin, and Fujie Zhou; 17(2), 67-74 (2003).

Then, Danny Shiem-Shin

Integrated Resources Management Structure for Facilities Provision and Management. — Danny Shiem-Shin Then; 17(1), 34-42 (2003).

Trethewey, Martin W.

Dynamic Measurements of In-Place Steel Floors to Assess Vibration Performance. — Linda M. Hanagan, Christopher H. Raebel, and Martin W. Trethewey; 17(3), 126-35 (2003).

Vanier, Dana J.

Framework Model for Asset Maintenance Management. — Mohammad A. Hassanain, Thomas M. Froese, and Dana J. Vanier; 17(1), 51-64 (2003).

Walsh, Kenneth D.

Method for Forensic Analysis of Residential Floor-Elevation Data. — Kenneth D. Walsh and George P. Miguel; 17(3), 110-7 (2003).

Wardhana, Kumalasari

Analysis of Recent Bridge Failures in the United States. — Kumalasari Wardhana and Fabian C. Hadipriono; 17(3), 144-50 (2003).

Study of Recent Building Failures in the United States. — Kumalasari Wardhana and Fabian C. Hadipriono; 17(3), 151-8 (2003).

Wilson, John C.

Repair of New Long-Span Bridges Damaged by the 1995 Kobe Earthquake. — John C. Wilson; 17(4), 196-205 (2003).

Wiseman, A.

Axioms For Building and Repairing Durable Concrete Structures. — Noel P. Mailvaganam and A. Wiseman; 17(4), 163-6 (2003).

Zhou, Fujie

Forensic Evaluation of Premature Failures of Texas Specific Pavement Study-1 Sections. — Dar-Hao Chen, John Bilyeu, Tom Scullion, Deng-Fong Lin, and Fujie Zhou; 17(2), 67-74 (2003).

